



Curriculum vitae Europass



Personal information

Name/First name **Nagy Ladislau**
Address Faculty of Physics, Babeş-Bolyai University
Str. Kogălniceanu 1, Cluj-Napoca, 400210, Romania
Phone +40-264-405300
Fax +40-264-591906
E-mail ladislau.nagy@ubbcluj.ro
Nationality Romanian, Hungarian
Date of birth 10.06.1961
Gender male

Present employment / Occupational domain **Babes-Bolyai University/ university professor / physicist**

Employment history

Period	2001 - present
Position	University professor
Principal activities and responsibilities	2019-2020 – dean of the Faculty of Physics 2016-2020 – president of the Senate's Curriculum Commission of BBU 2012-2016 – vice-rector 2007-2012 – vice-dean, vice-president of the Academic Council 2004-2007 – vice-rector 2001-2004 – vice-dean
Name and address of the employer	Babes-Bolyai University, Faculty of Physics
Type or domain of the activity	Research, education
Period	1997-2001
Position	Assoc. professor
Principal activities and responsibilities	2000-2001 – vice-dean
Name and address of the employer	Babes-Bolyai University, Faculty of Physics
Type or domain of the activity	Research, education
Period	1994-1997
Position	Assist. professor
Principal activities and responsibilities	
Name and address of the employer	Babes-Bolyai University, Faculty of Physics
Type or domain of the activity	Research, education
Period	1991-1994

Position teaching assistant

Principal activities and responsibilities

Name and address of the employer Technical University, Cluj-Napoca

Type or domain of the activity Research, education

Period 1985-1991

Type or domain of the activity School teacher

Education and training

Period 1990-1992

Qualification / obtained diploma PhD in physics

Main studied disciplines The physics of atomic collisions

Name and type of the education institute „Lajos Kossuth” University, Debrecen, Hungary

Level in national or international classification scheme PhD

Period 1981-1985

Qualification / obtained diploma Bachelor in physics

Main studied disciplines Physics

Name and type of the education institute „Babes-Bolyai” University, Cluj-Napoca

Level in national or international classification scheme Bachelor

Personal skills and competences

Native language Hungarian

Known languages

Autoevaluation
European level

Romanian

English

German

French

Understanding		Speaking		Writing
Listening	Reading	Conversation	Oral presentation	Writing skills
advanced	advanced	advanced	advanced	advanced
advanced	advanced	advanced	advanced	advanced
basic	basic	basic	basic	basic
basic	basic	basic	basic	basic

Social and educational competences and skills

Between 1991 and 1994, being teaching assistant at the Technical University, I have conducted with good results seminars and lab works in general physics. In between I have given courses for the students of the Faculty of Physics, Babes-Bolyai University, namely Automated processing of physical data (years I and II), and The physics of atomic collisions (year V)

Starting from 1995, being assistant professor and (from 1997) assoc. prof. at the Faculty of Physics of the Babes-Bolyai University, I have given the courses "Atomic physics", "Molecular physics", "Nuclear physics", "Quantum mechanics", "Automated processing of physical data", "Nuclear detectors".

I have initiated new courses, like "Physics and religion", "Numerical methods in atomic physics" and "Physics and progress of knowledge".

Since 2002 I have organized a new master program in English (Computational Physics), where I deliver the course "Numerical calculations in atomic physics". Since 2008 I give at the master programs of the Faculty of Physics the course "Advanced atomic and molecular physics".

I have supervised several Bachelor and Master thesis works.

I am a PhD supervisor, I teach in the doctoral school of the Faculty of Physics. 7 PhD students of mine have successfully defended their thesis. I supervised 2 postdoc researchers.

I have published an "Atomic physics" course in Hungarian, in two editions (1997 and 1999). My monograph entitled "Approximation and numerical methods in atomic physics" was published in 2002.

Organizational competences and skills

Between 2000 and 2004, in the position of vice-dean of the Faculty of Physics, I was in charged with educational and student problems. I have restructured and modernized the curricula for the programs offered by the Faculty of Physics.

Between 2004 and 2007 I was vice-rector of the Babes-Bolyai University, charged with quality assurance, university reform, laboratory equipment, information technology and the extensions of the university. I have elaborated a program for quality assurance, I have perfected and generalized the evaluation of the teaching staff by students, and I have conducted a huge program for the equipment of the laboratories, auditoriums and research laboratories. I have coordinated the transformation of the university colleges into extensions of the bachelor programs, the information technology for the university, admission and others.

Between 2008 and 2012, as vice-president of the Academic Council I have coordinated the education, quality assurance and the Hungarian line of study.

In the position of vice-rector I am in charge for quality assurance, information and communication technology and the extensions of the university.

Other positions:

Member in the Selection committee for the Bergen Computational Physics Laboratory, Norway, 2001-03

Referee for journals Physics Letters A, Nucl. Instr. Meth.B, J. Phys. B., Physica Scripta, J Phys. B etc.

Referee in PhD commissions

Member of the Scientific Council of the Institute for Reserch Programmes Sapientia 2000-2007

Vice-president of the Thechnical-Scientific Society of Transsylvania, 2004-2008

Member of the ICPEAC (International Conference on Photonic, Electronic and Atomic Collisions)

General Committe 2007-2011

Chair of the organization committees of international conferences:

- 4th Conference on Elementary Processes in Atomic Systems (CEPAS), June 18-20, 2008, Cluj-Napoca
- 4th annual meeting of the COST Action CUSPFEL in Cluj, Romania, 21-23 March 2012
- *Working Group 2 Workshop of the ATTOCHEM COST Action*, Cluj (on-line), Romania, Web, 17-19 February 2021
- *International Symposium on Ion-Atom Collisions (ISIAC)*, Cluj (on-line), Romania, 14-16 July 2021
- *FIRST ANNUAL WORKSHOP FOR THE COST ACTION CA18222*, Cluj (on-line), Romania, September 9-11, 2020

Member of the management Committees of four COST actions:

- CM0702 – CUSPFEL 2008-2012
- MP1203 - Advanced X-ray Temporal and Spatial Metrology 2012-2016
- CM1204 – XUV/X-ray light and fast ions for ultrafast chemistry (XLIC) 2013-2017
- CA18222 – Attosecond chemistry 2019-2024

Permanent expert of the Committe for exact and natural sciences of ARACIS 2008-2015

Meber in the ARACIS Council 2015-2023

2023- President of the Cluj Branch of the Hungarian Academy of Sciences

Scientific and technical competences and skills	<p>Theoretical calculations in the field of atomic and molecular collisions. Application of the distorted-wave Born approximations and semiclassical methods. The study of multielectronic processes induced by charged particles and photons. The study of the ionization of molecules. Description of the correlation effects in atoms (helium, lithium) and molecules (hydrogen) in transitions induced by fast charged projectiles. Interference effects in the ionization of molecules. Photoionization of molecules in weak and strong fields. Atoms and molecules in strong laser pulses.</p> <p>Research projects: Director of grant PNII-IDEI 2011-2016. Director of grant PNII-IDEI 2007-2010. Director of grant with the Romanian Academy 2007-2008. Director type A grants with CNCSIS 1997-1999, 2000-2002 and 2005-2007. Grant obtained from the Templeton Foundation, USA, 1997. Grant with NSERC – Canada (2002-2004)</p>
Computer using competences and skills	Fortran and C programming, text edition in Latex and Word, Powerpoint etc
Driving licence	B category
Suplimentary informations	<p>Prizes and honors</p> <ol style="list-style-type: none"> 1. 1st prize on the National Contest "Traian Lalescu" for students, București (1982) 2. 1st prize on the national Conference of Student Workshops, Iași (1984). 3. The "Schlenk Balint" prize of the Hungarian Academy of Sciences for the PhD thesis (1992). 4. The BBU prize for institutional innovation (2003) 5. The "Arany János" prize of the Hungarian Academy of Sciences for excellence in research (2004) 6. The BBU prize for institutional innovation (2004) 7. The BBU prize for institutional innovation (2005) 8. The BBU prize for institutional innovation (2007) 9. The BBU prize for academic management (2008) 10. The BBU prize for academic management (2011) 11. External member of the Hungarian Academy of Sciences (2019) <p>Scholarships</p> <p>Fulbright scholarship for scientific research, September 1994 - May 1995, la Tulane University, New Orleans, USA.</p> <p>Tempus scholarship, February-April 1998, Universitat Gesamthochschule, Kassel, Germany.</p> <p>Domus scholarship for scientific research, July-August 2000, Institute of Nuclear Research (ATOMKI), Debrecen, Hungary.</p> <p>Scholarship in Bergen Computational Physics Laboratory, Norway, short visits to Bergen (2000- 2003).</p> <p>Publications</p> <p>127 scientific articles, out of 101 published in ISI journals 119 presentations at scientific conferences 753 citations Hirsch index: 16</p> <p>ResearcherID: B-5607-2011</p>

